

PATENT ABSTRACTS OF JAPAN

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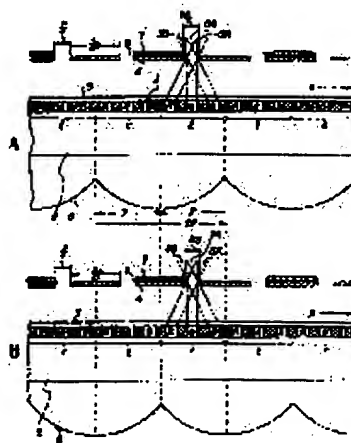
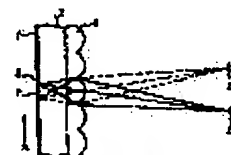
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(54) COLOR THREE DIMENSIONAL VIDEO DISPLAY DEVICE

(57)Abstract:

PURPOSE: To increase the visual resolution and to express the color three dimensional picture, by taking an integer set of color fluorescent substance stripes as one unit in response to the detection signal from a beam scanning position detecting stripes and alternately generating the video elements for left and right visual difference information.

CONSTITUTION: On a fluorescent screen 1 of three primary colors toward vertical direction, color fluorescent substance stripes R, G, B are sequentially and repetitively formed, and black stripes are provided among the stripes R, G, B. A face plate 2 is coated at the electron gun side at the back of the screen 1 and aluminum foil 3 is coated at the electron gun side of the screen 1. An aperture grill 4 having fine slit as the color selection means is located near the screen 1. Taking the pitch P of the stripes R, G, B and taking the grill 4 as the slit width of $P/4$ and the stripe width of $3/4P$, when beams 5R~5B are horizontally scanned on the screen, the beams are concentrated on the grill 4, allowing to produce the video element of one visual difference information alternately.



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